

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of the claims in the application:

Claims 1 - 8 (Cancelled)

9. (Currently Amended) A system to provide location awareness services comprising:

(a) a handheld device comprising:

(i) a camera to capture an image of a location;

(ii) a mobile communication device, coupled to the camera and to a wireless network, to communicate the image to a server having a database with existing image files to find similar images by locating and comparing the captured image with other existing ~~image~~ images located in the database of existing image files; and

(iii) a user interface, coupled to the mobile communication device, to communicate to an user any resulting relevant images and associated hyperlinks of found similar images; and

(b) a computer network including the wireless network and a wired network;

(c) a server, connected to the computer network, having a database to store images of interest, the database having a plurality of files, each file including an image, text and an associated link and wherein the server is capable to search for additional images of interest located on other computers connected to the network when an image of interest is not located in the database on the server by comparing the captured image with other images located on other computers; and

(d) a plurality of computers, each computer have a plurality of computer files in a format to display as a web page, each file including an image and textual information, and each computer connected to the computer network, at least one of the computer files having an associated hyperlink, ~~and including an image similar to the captured image and when viewed includes associated text describing an object in the image~~ which when found by the server is added to the database.

10. (Curently amended) The system to provide location awareness services as recited in Claim 9 ~~wherein the user interface comprises a display~~ wherein the server further comprises means to compare images with no manual input of features from a user.

1 11. (Original) The system to provide location awareness services as recited in Claim 9 wherein
2 the user interface comprises a computer connection.

1 12. (Original) The system to provide location awareness services as recited in Claim 9 wherein
2 the associated text describes features of the object in the image including geographical location
3 of the object.

1 13. (Original) The system to provide location awareness services as recited in Claim 9 wherein
2 the associated text describes features of the object in the image including a description and
3 historical facts regarding the object.

1 14. (Original) The system to provide location awareness services as recited in Claim 9 wherein
2 the associated text includes a uniform resource locator (URL).

1 15. (Original) The system to provide location awareness services as recited in Claim 9 wherein
2 at least one of the computers includes a plurality of computer files having images of locations of
3 interest located within a predetermined radius about a geographical location.

1 16. (Original) The system to provide location awareness services as recited in Claim 15 wherein
2 the computer having a plurality of computer files having images of objects of interest located
3 within a predetermined radius about a geographical location was previously trained to find
4 common objects known to be of interest.

1 17. (Original) The system to provide location awareness services as recited in Claim 9 wherein
2 at least one of the computers includes at least one computer file having an image of an object of
3 known interest and an associated image of an object of less recognized interest within a
4 predetermined radius about a geographical location of the known interest object to aid a user in
5 finding the object of less recognized interest.

1 18. (Original) The system to provide location awareness services as recited in Claim 9 wherein
2 at least one of the computers includes at least one computer file having an image of an object of
3 known interest and an associated image of an object of less recognized interest within the field of
4 view of the known interest object to aid a user in finding the object of less recognized interest.

1 19. (Currently amended) The system to provide location awareness services as recited in Claim
2 9 wherein ~~at least one of the computers~~ the server includes a capability to search other computers
3 using keywords extracted from a joint set of keywords from a web page associated with a
4 matched image, at least one of the other computers having at least one computer file having text
5 matching the keywords. ~~associated text describing the object in the an image.~~

1 20. (Currently amended) The system to provide location awareness services as recited in Claim
2 19 wherein at least one image from a computer file having text matching the ~~associated text~~
3 ~~describing the object in the image is communicated to the handheld device~~ keywords is used to
4 search for additional similar images.

1 21. (Previously Presented) The system to provide location awareness services as recited in
2 Claim 19 wherein at least one computer file having text matching the associated text describing
3 the object in the image is communicated to the computer that initiated the search.

1 22. (Original) The system to provide location awareness services as recited in Claim 21 wherein
2 the computer that initiated the search is capable of comparing the original image with images
3 returned in the computer file having text matching the associated text describing the object in the
4 image.

1 23. (Original) The system to provide location awareness services as recited in Claim 15 further
2 comprising:
3 a global positioning system (GPS) receiver to identify the geographical location of the
4 mobile communication device to help eliminate non-useful images.

1 24. (Original) The system to provide location awareness services as recited in Claim 19 wherein
2 at least one of the computers includes at least one computer file having an image of an object of
3 known interest and an associated image of an object of less recognized interest within the field of
4 view of the known interest object to aid a user in finding the object of less recognized interest all
5 located within a predetermined radius about a geographical location.

1 25. (Currently amended) A storage medium comprising:

2 a first computer readable program code stored on the storage medium being operative to
3 interact with a processor in a server and to communicate with a handheld device to capture an
4 image from a camera;

5 a second computer readable program code stored on the storage medium being operative
6 to interact with the processor in the server having a database with multiple image files, each file
7 including an image, text and an associated link and to search said database of image files for a
8 similar image similar to the captured image by comparing the captured image with other images
9 and to cause said server to provide to the handheld device an image and a hyperlink to the image
10 file in the database having the similar image; and

11 a third computer readable program code stored on the storage medium being operative to
12 interact with the processor in the server to communicate with other computers having ~~multiple~~
13 image files and to search said other computers for a similar image when a similar ~~images~~
14 ~~are~~image is not found in the database in the server and to ~~provide to the handheld device a~~
15 ~~plurality of~~ add a similar images image and an associated hyperlink when found on another
16 computer to the database. for each similar image.

1 26. (Currently amended) A method for identifying a location comprising the steps of:

2 (i) providing a database of images on a first computer, each image having an
3 associated URL that includes said image and a description of the image;

4 (ii) comparing an image of an unknown location communicated to the first computer
5 from a handheld device with images from the database of images and providing a list of images
6 and corresponding URL of possible matching images to the handheld device;

7 (iii) searching, using the first computer, ~~additional databases files~~ on additional
8 computers when a matching ~~images are~~ image is not found in the database on the first computer
9 and adding a similar image and associated hyperlink when found on another computer to the
10 database; and

11 (iv) reviewing the images in the list of possible matching images until the matching
12 image of the correct location is identified.

1 27. (Currently amended) The method for identifying a location as recited in Claim 26 wherein
2 the comparing step includes comparing ~~at least one of energy spectrum data, color histogram~~
3 ~~data, primitive filter data, and local~~ spatial invariant feature data.

- 1 28. (Currently amended) The method for identifying a location as recited in claim 26 wherein
2 the comparing step comprises ~~at least one of the techniques including a least square matching~~
3 ~~technique, a normalizing the image technique, an eigen value technique, a matching histogram of~~
4 ~~image feature technique and an image matching engine with transformation technique.~~